



013004

18351 U.S. PTO

APPROVED
for
PTO DEPOSIT ACCOUNT CHARGE
ACCOUNT# 04-1700

Express Mail Number: EL984584060US

Date Deposited: 01/30/2004

DUNLAP CODDING & ROGERS, P.C.

PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCEUTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 5920.002

First Inventor Lijun Xia et al.

Title HEMATOPOIETIC STEM CELLS TREATED BY IN VITRO FUCOSYLATION
AND METHODS OF USE

Express Mail Label No. EL984584060US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Mail Stop Patent Appl., Comm. for Patents
PO Box 1450
Alexandria, VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 53]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table,
or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description - Redline Specification ____ pgs
 - Claim(s) - Clean Specification ____ pgs
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 11]
5. Oath or Declaration [Total Pages 2]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
- i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.
17. ☒ Other: SEE BELOW

18. This application is:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

Prior application information:

Examiner

of prior application No.:

Group Art Unit:

☐ As a CON, DIV, or CIP, this application contains one or more changes to (1) the specification; (2) drawings; or (3) claims in the above-identified prior application. A red-line version of the application showing these changes will be made available to the examiner upon request.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

30589

(Insert Customer No. or Attach bar code label here)

or

☐ Correspondence address below

Name	Dunlap, Coddling & Rogers, P.C.				
Address	P. O. Box 16370				
	Attn: Christopher W. Corbett				
City	Oklahoma City	State	OK	Zip Code	73113
Country	USA	Telephone	(405) 607-8600	Fax	(405) 607-8686

Name (Print/Type)	Christopher W. Corbett	Registration No. (Attorney/Agent)	36.109
Signature	[Signature]		Date 1/30/04

SEND TO: Mail Stop Patent App
P.O. Box 1450
Alexandria, VA 22313-1450

17) 1. Utility Patent Application Transmittal (1 page); 2. Fee Transmittal (1 page) Authorizing the Commissioner to charge indicated fees of \$1,074.00 (which include Utility filing fee of \$385.00, Extra Claim fee of \$649.00, and Recordation of Assignment fee of \$40.00) or any additional fee required and/or credit any overpayments to Deposit Account Name Dunlap, Coddling & Rogers, P.C.; 3. Patent Application Fee Determination Record (1 page); 4. Executed Power of Attorney or Authorization of Agent and Certificate Under 37 CFR 3.73(b) (2 pages); 5. Assignment including Recordation Cover Sheet (3 pages); 6. Complete Application for Publication (53 pages) including: (A) Specification (39 pages); (B) 73 Claims (13 pages); (C) Abstract (1 page); 7. Executed Declaration for Utility or Design Patent Application (2 pages); 8. Petition to Accept Color Drawings (2 pages); 9. Formal Drawings with labels (11 sheets) (identifying indicia in the top margin of each sheet); 10. Information Disclosure Statement (3 pages); 11. Form 1449 (modified) (3 pages); 12. Copies of Cited Art; and 13. Return receipt postcard

APPROVED

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PTO DEPOSIT ACCOUNT CHARGE
ACCOUNT NO. 04-1700Express Mail No.: EL984584060US
Date Deposited: 01/30/2004

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**FEE TRANSMITTAL
for FY 2004**

Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 1,074

Compleat if Known

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Lijun Xia et al.
Examiner Name	Unknown
Art Unit	Unknown
Attorney Docket No.	5920.002

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number

04-1700

Deposit
Account
NameDunlap, Codding & Rogers, P.C.
Customer No. 30589

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.
FEE CALCULATION**1. BASIC FILING FEE**

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	385
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$) 385

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
73	53	9	\$477
7	4	43	\$172
Multiple Dependent			\$0

Large Entity Fee Code	Small Entity Fee Code	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 649

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051 130		2051 65		Surcharge - late filing fee or oath	
1052 50		2052 25		Surcharge - late provisional filing fee or cover sheet	
1053 130		1053 130		Non-English specification	
1812 2,520		1812 2,520		For filing a request for <i>ex parte</i> reexamination	
1804 920*		1804 920*		Requesting publication of SIR prior to Examiner action	
1805 1,840*		1805 1,840*		Requesting publication of SIR after Examiner action	
1251 110		2251 55		Extension for reply within first month	
1252 420		2252 210		Extension for reply within second month	
1253 950		2253 475		Extension for reply within third month	
1254 1,480		2254 740		Extension for reply within fourth month	
1255 2,010		2255 1,005		Extension for reply within fifth month	
1401 330		2401 165		Notice of Appeal	
1402 330		2402 165		Filing a brief in support of an appeal	
1403 290		2403 145		Request for oral hearing	
1451 1,510		1451 1,510		Petition to institute a public use proceeding	
1452 110		2452 55		Petition to revive - unavoidable	
1453 1,330		2453 665		Petition to revive - unintentional	
1501 1,330		2501 665		Utility issue fee (or reissue)	
1502 480		2502 240		Design issue fee	
1503 640		2503 320		Plant issue fee	
1460 130		1460 130		Petitions to the Commissioner	
1807 50		1807 50		Processing fee under 37 CFR 1.17(q)	
1806 180		1806 180		Submission of Information Disclosure Stmt	
8021 40		8021 40		Recording each patent assignment per property (times number of properties)	40
1809 770		2809 385		Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770		2810 385		For each additional invention to be examined (37 CFR 1.129(b))	
1801 770		2801 385		Request for Continued Examination (RCE)	
1802 900		1802 900		Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 40

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)

Christopher W. Corbett

Registration No.
(Attorney/Agent)

36,109

Telephone (405) 607-8600

Signature

Date

01/30/2004

Mail Stop Patent Application
Commissioner for Patents
PO Box 1450, Alexandria, VA 22313-1450

EXPRESS MAIL NO.: EL984584060US
Deposited On: January 30, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : Not Yet Assigned Confirmation No.: N/A
Applicant(s) : Lijun Xia and Rodger P. McEver
Filed : Herewith
TC/A.U. : Unknown
Examiner : Unknown
Title : HEMATOPOIETIC STEM CELLS TREATED BY IN
VITRO FUCOSYLATION AND METHODS OF USE

Docket No. : 5920.002
Customer No. : 30589

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

PETITION TO ACCEPT COLOR DRAWINGS OR PHOTOGRAPHS
(37 CFR § 1.84(a)(2) AND (b)(2))

1. This Petition is for the acceptance of color:

 X drawings. (37 CFR § 1.84(a)(2))

 ___ photographs (37 CFR § 1.84(b)(20))

2. Attached hereto are three (3) sets of color:

 X drawings.

 ___ photographs.

02/06/2004 HMEKONEN 00000004 041700 10769686
01 FC:1460 130.00 DA

3. The reason(s) for the need for color drawings or photographs in this application is/are as follows:

Data points in Figure 3 are differentiated via color.

4. The petition fee required to waive the requirement of § 1.84 (37 CFR § 1.17(i) - \$130.00) is paid as follows:

___ Attached is a

___ check

___ money order

in the amount of \$_____.

X Authorization is hereby made to charge the amount of \$130.00

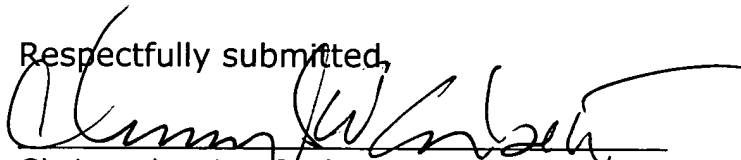
X to Deposit Account No. 04-1700

___ to credit card as shown on the attached credit card
information authorization form PTO-2038.

X Charge any additional fees required by this paper or credit any
overpayment in the manner authorized above.

A duplicate of this paper is attached.

Respectfully submitted,



Christopher W. Corbett, Reg. No. 36.109

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